





PAGER

Version 4

M 5.4, 84km SW of San Antonio, Chile

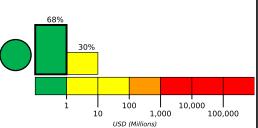
Origin Time: 2019-08-02 00:55:16 UTC (Thu 20:55:16 local) Location: 34.1794° S 72.1980° W Depth: 14.0 km

Estimated Fatalities 65% 10,000 1,000 100,000

and economic losses. There is a low likelihood of casualties and damage.

Green alert for shaking-related fatalities Estimated Economic Losses

Created: 4 hours, 55 minutes after earthquake



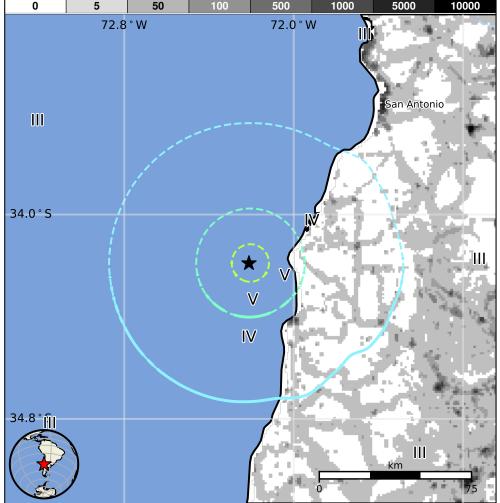
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	796k*	49k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us60004z17#pager

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1985-01-26	354	5.9	VIII(38k)	6
1997-10-15	378	7.1	VIII(3k)	7
1985-03-03	122	7.9	VII(5,319k)	177

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

nom acortaines.org					
MMI	City	Population			
III	San Antonio	86k			
Ш	Santa Cruz	33k			
Ш	Cartagena	17k			
Ш	Melipilla	63k			
Ш	El Tabo	<1k			
Ш	Teno	7k			
Ш	Rauco	9k			
Ш	Curico	102k			

bold cities appear on map.

(k = x1000)